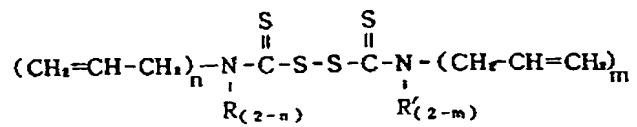


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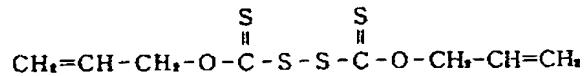
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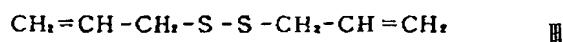
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APPLICANT : NIPPON SHOKUBAI KAGAKU KOGYO
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INVENTOR : FUJIWARA TERUAKI;

INT.CL. : C08F 8/34 C08F 20/18 C08F 20/18 //
 C08F 18/24 C08F 26/02 C08F 28/02



TITLE : PREPARATION OF SH-TERMINATED
 TELECKELIC POLYMER



ABSTRACT : PURPOSE: To improve weatherability and heat resistance, by reacting a polymer having specified terminal α,ω -allyl groups with a polyfunctional mercaptan.

CONSTITUTION: A polymer (A) having terminal α,ω -allyl group is obtd. by radical-polymerizing an ethylenically unsatd. monomer (a) contg. 50-100wt.% (meth)acrylate having a 1-18C alkyl group including a cycloalkyl group and a benzyl group in the presence of at least 1/50,000-1mol of one initiator (b) selected from among compd. of formula I-III (wherein R, R' are each H, an alkyl, a cycloalkyl or a (substd.)aryl; m, n are 1 or 2 based on 1 mol of the component (a) at 50-150°C. Then, radical addition reaction of the component A with 0.1-5mol of a polyfunctional mercaptan (B) of formula IV (wherein D is a di-tetra-valent org. group; I is 2-4) based on one equivalent of the terminal allyl group of the component A is carried out in the presence of a hydroperoxide, etc.

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